

REMARKS

I. Status of the Claims

Claims 1 - 19 stand rejected on various grounds. Claims 2, 3, 6, 7, 11, 12, 15, 16 and 19 have been indicated as allowable subject to overcoming minor informalities. Claims 2, 11 and 19 have been cancelled.

II. Objection to the Specification

The Office Action identified an objection to the specification under 35 U.S.C. 132 due to the alleged introduction of new matter into the specification. The Applicant disagrees for the following reasons.

Many of the claims previously included the term "static" to refer to the level of compensation in the first control loop. In the first office action, this language was rejected by the Examiner on the grounds that there was a changing output of the control loop. To clarify that the level of *compensation* was static (not the output), amendments in the claims and specification were presented to replace the term "static" with the phrase "predetermined level of linear compensation," or "pre-set level of linear compensation." Whether "static" or set to a "predetermined" level, the subject matter remained the same.

For this reason, Applicant asserts that no new matter was entered in the previous amendment, and reconsideration is respectfully requested.

III. Rejections Under 35 U.S.C. §112, First Paragraph

The Office Action identified a rejection to claims 1-7 and 9-16 under 35 U.S.C. §112, first paragraph, as failing to comply with the written description requirement. Specifically, the Examiner noted the inclusion of the phrase "predetermined level of linear compensation" in the most recent amendment, and not expressly included in the original application. As explained above, the phrase at issue clarified the subject matter already represented by the term "static". Because the subject matter was indeed included in the original specification, the application complies with the written description requirement. Reconsideration is requested.

IV. Rejections Under 35 U.S.C. §112, Second Paragraph

Claims 8, 9 and 17 - 19 were rejected by the Examiner as indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Specifically, the rejections were based on the use of the word "static", as it was employed in the claims.

As explained above, the term "static" refers to the level of compensation provided by the first control loop to minimize overshoot and/or undershoot. It doesn't refer to the actual output. So while the output may vary, the level of compensation applied to enhance the output remains static. Nevertheless, the Applicant has removed the term "static" from the claims for clarity purposes.

V. Rejection Under 35 U.S.C. §102

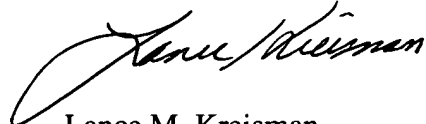
The Office Action identified rejections to claims 1, 4, 5, 10, 13, 14, 17 and 18 under 35 U.S.C. 102 as being anticipated by Takenaka (U.S. Patent No. 5504452).

While the Applicant again disagrees with the Examiners position on the relevance of Takenaka, in the interests of moving prosecution forward, the Applicant has amended the claims consistent with the Examiners recommendations to move the case to allowance. As a result, this rejection is moot.

Applicants submit that all of the amendments and remarks set forth above place the claims in condition for allowance, and early notice thereof is respectfully solicited.

Please charge a two-month extension in the amount of \$420 to deposit account No. 20-0515.

Respectfully Submitted



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